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25X1A

COUNTRY

Germany (Russian Zone)

DATE DISTR. 7 MAY 51

SUBJECT

Planned Construction of Radio Cornunication

NO. OF PAGES 2

Station on Rugen

PLACE ACQUIRED

DATE OF

INFO.

25X1A

NO. OF ENCLS.

SUPPLEMENT TO 25X1X REPORT NO.

Among the 1951 plans of the Post and Telecommunication Administration relating to radio communication is a project for the enlargement of the radio station on Rügen to the amount of DM 500,000. The project will consist of the following:

a. Transmitting station Lohne, complete with 5 transmitters and the necessary antennas and electric supply installations. The transmitters are of the following types:

One set of frequency range 13 - 100 m, capacity 5 K7 One set of frequency range 70 - 220 m, capacity 2.5/10 K7 One set of frequency range 400 - 900 m, capacity 2.5/10 K7 Two sets of frequency range 250 - 200 m, capacity 0.2/0.8 K7.

The transmitter 1 serves to facilitate communication between the coastal station and ships which are at a distance of more than 1500 nautical miles. The transmitter 2 serves the same purpose, but for distances up to 1500 nautical miles. The transmitter 4 and 5 which operate in the same frequency range serve for communication at a distance of less than 100 nautical miles.

b. Receiving station Glowe

For flawless functioning of the radio traffic it is necessary to locate the receiving sets in different rooms than the transmitting sets. Provision has been made for two separate rooms for broadcasting as well as one wireless room each for coastal operations and radio monitoring, including an automatic direction finder. The control of the sea rescue frequency is done automatically.

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- The necessary cable connections for connecting calls of the transmitters by authorized users, such as fishing boat lines, are made by the trunk exchange Bergen. It is planned to install a radio direction finder for locating ships at sea, based on triangulation, respectively DF stations at Mismar, Arkona, and Bansin. These stations are to be connected with the Glowe station to which the direction-finding is to be transmitted automatically.
- 3. Additional overhead construction for the coastal radio station Rigen requires DN 310,000.

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